

1	We claim:		
2	 An apparatus for molding plastic materials comprising: 		
3	a mold having a first mold section (12) and a second mold section (14) with a		
4	mold cavity (16) disposed between the first and the second mold sections (12, 14);		
5	a first gate design for providing a first plastic material to the mold cavity (16)		
6	provided by at least one first gate design mold member (40);		
7	a second gate design for providing a second plastic material to the mold cavity		
8	(16) provided by at least one second gate design mold member;		
9	the first and second gate design mold members removably attachable to at least		
10	one of the first or the second mold sections (12, 14);		
11	the first and second gate design mold members interchangeable on at least one of		
12	the first or the second mold sections (12, 14) to change from the first gate design to the		
13	second gate design.		
14			
15	2. The apparatus for molding plastic materials of claim 1 wherein the mole		
16	comprises an injection mold.		
17			
18	3. The apparatus for molding plastic materials of claim 1 wherein the first		
19	gate design comprises an edge gate.		
20			
21	4. The apparatus for molding plastic materials of claim 1 wherein th		
22	second gate design comprises an edge gate.		
23			
24	5. The apparatus for molding plastic materials of claim 1 wherein at least		
25	one of said first or second mold sections contains a recess and said first or second gate		
26	design mold member is insertable in said recess.		
27			
28	6. The apparatus for molding plastic materials of claim 1 wherein the fir		
29	gate design mold member is removably attachable to the first or the second mold section		
30	by threaded fasteners.		
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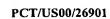
1	7.	The apparatus for molding plastic materials of claim 1 wherein the	
2	second gate design mold member is removably attachable to the first or the second mold		
3	section by threaded fasteners.		
4			
5	8.	The apparatus for molding plastic materials of claim 1 wherein the first	
6	gate design is	provided by at least two interchangeable mold members (41, 42).	
7			
8	9.	The apparatus for molding plastic materials of claim 1 wherein the	
9	second gate design is provided by at least two interchangeable mold members.		
10			
11	10.	The apparatus for molding plastic materials of claim 1 wherein the first	
12	plastic material comprises a thermoplastic polymer.		
13			
14	11.	The apparatus for molding plastic materials of claim 10 wherein the first	
15	plastic materi	al further comprises a pigment.	
16			
17	12.	The apparatus for molding plastic materials of claim 11 wherein the	
18	pigment further comprises a light-reflective pigment.		
19			
20	13.	The apparatus for molding plastic materials of claim 11 wherein the	
21	pigment furth	ner comprises a metallic pigment.	
22			
23	14.	The apparatus for molding plastic materials of claim 1 wherein the	
24	second plastic	c material comprises a thermoplastic polymer.	
25			
26	15.	The apparatus for molding plastic materials of claim 14 wherein the	
27	second plasti	c material further comprises a pigment.	
28			
29	16.	The apparatus for molding plastic materials of claim 15 wherein the	
30	pigment furtl	ner comprises a light-reflective pigment.	
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1	17. The apparatus for molding plastic materials of claim 15 wherein the		
2	pigment further comprises a metallic pigment.		
3			
4	18. A method for molding plastic materials, the method comprising:		
5	providing a mold having a first mold section (12) and a second mold section (14)		
6	with a mold cavity (16) disposed between the first and the second mold sections (12, 14);		
7	providing a first gate design;		
8	forming a product in the mold cavity (16) by providing a first plastic material		
9	through the first gate design;		
10	separating the first mold section (12) and the second mold section (14);		
11	removing the product from the mold cavity (16);		
12	changing from the first gate design to a second gate design;		
13	forming a product in the mold cavity (16) by providing a second plastic material		
14	through the second gate design.		
15			
16	19. The method for molding plastic materials of claim 18 wherein the mold		
17	comprises an injection mold.		
18			
19	20. The method for molding plastic materials of claim 18 wherein the first		
20	gate design comprises an edge gate.		
21			
22	21. The method for molding plastic materials of claim 18 wherein the second		
23	gate design comprises an edge gate.		
24 .			
25	22. The method for molding plastic materials of claim 22 wherein:		
26	the first gate design is provided by at least two interchangeable mold members;		
27	and		
28	the second gate design is provided by at least two interchangeable mold		
29	members.		

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1	23.	The method for molding plastic materials of claim 22 wherein at least one		
2	of said first or second mold section contains a recess and said first or second gate design			
3	is insertable in said recess.			
4				
5	24.	The method for molding plastic materials of claim 18 wherein the first		
6	gate design mold member is removably attachable to the first or the second mold section			
7	by threaded fasteners.			
8				
9	25.	The method for molding plastic materials of claim 18 wherein the second		
10	gate design mold member is removably attachable to the first or the second mold section			
11	by threaded fasteners.			
12				
13				
14				